

CITY OF DETROIT
SPECIAL PROVISION
FOR
**METHYL METHACRYLATE (MMA) PAVEMENT
MARKING MATERIAL**

SGJJR:ESM

1 of 1

01-24-17

a. Description. This work consists of providing and applying methyl methacrylate (MMA) permanent pavement markings. Provide markings, shapes, spacing and dimensions as shown on plans.

b. Materials. Select pavement marking material from a single manufacturer for the entire project. Pavement marking material shall meet the follow characteristics:

Binder Resin:

Density	8.1 +/- .35 Lbs/Gal
Tensile	> 400 psi (ASTM D638)
Elongation	> 180% (ASTM D638)
Flash Point	> 10% °C (ASTM D1310)

Aggregate:

Hardness	9 Mohrs Scale
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Preferential Lane Treatment:

Density	18.5+/-0.5 Lbs/Gal
Build Thickness	90 +/-10 MILS
VOC	< 100 Grams/Liter
Pot Life	~15min (AASHTO T237)
Solids	> 99% cured (ASTM D2369)
Skid	> 60 (ASTM E303)
Hardness	50-60 (ASTM D2240)
Water Absorption	< 0.25% (ASTM D570)
Cure Time	< 30 Minutes

The contractor shall provide the Engineer with Material Safety Data Sheets (MSDS) for all materials and supplies used for this contract. The Contractor shall properly dispose of unused material and containers in accordance with the Federal Resource Conservation Recovery Act (RCRA) of 1976 and the Michigan Hazardous Waste Management Act (ACT 64). The Contractor must provide for storage of materials and or equipment.

c. Construction. Place permanent pavement markings in accordance with manufacturer's recommendations. Pavement markings shall be installed at 90 mils build thickness.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

Pay Item	Pay Unit
_Pavt Mrkg, Methyl Methacrylate (MMA), Green	Square Foot
_Pavt Mrkg, Methyl Methacrylate (MMA), Red.....	Square Foot

_Pavt Mrkg, Methyl Methacrylate (MMA), (color) will be measured and paid for at the contract unit price per each square foot installed. The unit price shall be payment in full for furnishing all labor, equipment and material to furnish and install pavement markings as shown on the plans or as directed by the Engineer.